NAME OF WORK: Construction of RCC culvert and U Shape drain for secondary SWD drains near Divya engineering works at Kammagondanahalli in Ward No:12

DRAFT TENDER SCHEDULE

SI. NO	DESCRRIPTION OF ITEM	UNIT	QTTY	RATE IN FIGURES	RATE IN WORDS	AMOUNT
1	KSRRB M200-12.3 Dismantling of Existing Structures like Culverts,Bridges,Retaining Walls and other structures comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding where ever necessary,sorting the dismantled material,disposal of unserviceable material	Cum	27.78	1042.20	Rupees One Thousand Forty Two and Twenty Paise Only	28952.00
2	**Dismantling of existing structures like culverts, bridges, retaining walls and other structure** comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled	Cum	47.33	250.56	Rupees Two Hundred Fifty and Fifty Six Paise Only	11859.00
3	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Storm water drain in Bangalore City including disposing off the same as directed including cost of machinery labour, fuel etc., complete (By Mechanical Means) with all lead and lifts for disposing off to designated site as directed by the Engineer in charge of the work.	Cum	456.00	336.39	Rupees Three Hundred Thirty Six and Thirty Nine Paise Only	153394.00
4	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Storm water drain in Bangalore City including disposing off the same as directed including cost of machinery labour, fuel etc., (By Manual Means) with all lead and lifts for disposing off to designated site as directed by the Engineer in charge of the work.	Cum	558.00	607.41	Rupees Six Hundred Seven and Forty One Paise Only	338935.00
5	**Diversion of water course by providing coffer dams or bunds or islands** as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc... complete beyond 1.50m depth upto & including 3m depth all leads and lifts as directed by the Engineer in charge of the work.	Cum	93.24	346.68	Rupees Three Hundred Forty Six and Sixty Eight Paise Only	32324.00
6	**Excavation in marshy soil** upto 3m depth for foundation of structures as per drawing and technical specifications, removing the excavated stuf to a lead of 15m, including dewatering, shoring, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. V. **Marshy Soil - B Mechanical means** as directed by the Engineer in charge of the work.	Cum	561.41	113.40	Rupees One Hundred Thirteen and Forty Paise Only	63663.00

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NO	DESCRRIPTION OF ITEM	UNIT	QTTY	RATE IN FIGURES	RATE IN WORDS	AMOUNT
7	KSRRB M2100-2.1 Earth work in **excavation for foundation** of structures such as culverts, bridges etc., as per drawing and technical specifications,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved	Cum	1309.95	51.84	Rupees Fifty One and Eighty Four Paise Only	67908.00
8	KSSRB M2100-5.1 Earth work Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides	Cum	170.42	428.76	Rupees Four Hundred Twenty Eight and Seventy Six Paise Only	73068.00
9	KSSRB M2100-1.1 Earth work in Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per MORTH	Cum	410.94	125.28	Rupees One Hundred Twenty Five and Twenty Eight Paise Only	51482.00
10	Providing and **filling in foundation with Granite/trap broken metal** 100mm and down size, with approved sand including hand packing, ramming,watering, including cost of all materials and labour with all lead and lift.complete as per specifications as directed by the Engineer in charge of the work.	Cum	435.54	2133.78	Rupees Two Thousand One Hundred Thirty Three and Seventy Eight Paise Only	929351.00
11	KSRB 2.8 : Providing and **Filling in foundation with granite I trap broken metal 100mm** (available boulders obtained from dismantaling of masonary including charges for breaking into pieces) and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.specification. No. KBS as directed by the Engineer in charge of the work.	Cum	28.40	1418.28	Rupees One Thousand Four Hundred Eighteen and Twenty Eight Paise Only	40276.00
12	KSRRB M2100-10 - **Plain Cement Concrete M10** with OPC cement @ 220 kgs, with crushed 40mm and down size graded metal coarse aggregates @0.84 Cum and fine aggregates @ 0.56Cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No.2100 all leads and lifts as directed by the Engineer in charge of the work.	Cum	221.08	5805.00	Rupees Five Thousand Eight Hundred Five Only	1283369.00

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SI NO	DESCRRIPTION OF ITEM	UNIT	QTTY	RATE IN FIGURES	RATE IN WORDS	AMOUNT
13	KSRRB M 2100-17.2 : **Plain/reinforcement Cement Concrete design mix M25** with OPC cement @340 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70Cum and fine aggregates @0.47Cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, **open foundation** complete as per Drawing and Technical Specification with Batching plant, transit mixer and concrete pump. MORTH Specification No. 1500, 1700 & 2100 all leads and lifts as directed by the Engineer in charge of the work.	Cum	434.27	6237.00	Rupees Six Thousand Two Hundred Thirty Seven Only	2708542.00
14	KSRRB M 2200-5.12 : **Design mix M25 sub structure** with OPC cement @340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7Cum and fine aggregates @0.47Cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 upto 5 mtrs. Upto 5 Mtrs height all leads and lifts as directed by the Engineer in charge of the work.	Cum	277.47	7002.72	Rupees Seven Thousand Two and Seventy Two Paise Only	1943045.00
15	KSRRB M 2100-17.2 : **Plain/reinforcement Cement Concrete design mix M35** with OPC cement @390 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.68Cum and fine aggregates @0.45Cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, **open foundation** complete as per Drawing and Technical Specification with BAtching plant, transit mixer and concrete pump. MORTH Specification No. 1500, 1700 & 2100 all leads and lifts as directed by the Engineer in charge of the work.	Cum	19.35	6599.68	Rupees Six Thousand Five Hundred Ninety Nine and Eighty Eight Paise Only	127708.00
16	KSRRB M 2200-5.12 : **Design mix M35 sub structure** with OPC cement @390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68Cum and fine aggregates @0.45Cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 upto 5 mtrs. Upto 5 Mtrs height all leads and lifts as directed by the Engineer in charge of the work.	Cum	21.60	7429.32	Rupees Seven Thousand Four Hundred Twenty Nine and Thirty Two Paise Only	160473.00

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Sl. NO	DESCRRIPTION OF ITEM	UNIT	QTTY	RATE IN FIGURES	RATE IN WORDS	AMOUNT
17	**KSRRB M2300-8.1. Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure** as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix **M35** @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, Case - II : Using Batching Plant, Transit Mixer & Concrete Pump MORTH Specification No. 1500,1600 & 1700. Height upto 5 m all leads and lifts as directed by the Engineer in charge of the work.	Cum	22.64	7522.20	Rupees Seven Thousand Five Hundred Twenty Two and Twenty Paise Only	170303.00
18	Supplying,fitting and placing **TMT bar reinforcement in sub-structure** complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 all leads and lifts as directed by the Engineer in charge of the work.	MT	68.56	53549.64	Rupees Fifty Three Thousand Five Hundred Forty Nine and Sixty Four Paise Only	3671422.00
19	Supplying,fitting and placing **TMT bar reinforcement in super-structure** complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 all leads and lifts as directed by the Engineer in charge of the work.	MT	2.49	54425.52	Rupees Fifty Four Thousand Four Hundred Twenty Five and Fifty Two Paise Only	135541.00
20	**PVC pipes** 2.50 kg/sqm 110mm outer dia as directed by the Engineer in charge of the work.	Rmt	121.80	177.00	Rupees One Hundred Seventy Seven Only	21559.00
21	KSRRB M2200.9. Providing and laying of **Filter media with granular** materials/stone crushed aggregates satisfying the requirements laid down in clause 2500.4.2.2 of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification complete as per specifications with all lead and lifts, etc., after breaking of clods complete as per specifications and as per direction of Engineer in-charge.page no 229/28.13 all leads and lifts as directed by the Engineer in charge of the work.	Cum	275.58	1297.08	Rupees One Thousand Two Hundred Ninety Seven and Eight Paise Only	357449.00
22	**Filling available excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering including cost of all labour complete as per specifications all leads and lifts as directed by the Engineer in charge of the work.	Cum	413.37	127 20	Rupees One Hundred Twenty Seven and Twenty Paise Only	52581.00

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SL NO	DESCRRIPTION OF ITEM	UNIT	QTTY	RATE IN FIGURES	RATE IN WORDS	AMOUNT
23	*KSRRB M100-1 Collecting, Conveying and disposal of surplus/excavated earth including Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum* **to designated dumping site** *all leads and lifts for disposal as directed by the Engineer in charge of the work.*	Cum	2086.05	103.85	Rupees One Hundred Three and Eighty Five Paise Only	216636.00
24	KSRB 4-1.5 : Providing and laying in position plain **Cement concrete of mix M20** with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 all leads and lifts as directed by the Engineer in charge of the work.	Cum	16.28	5991.84	Rupees Five Thousand Nine Hundred Ninety One and Eighty Four Paise Only	97547.00
25	Supplying and fixing MS. Rectangular poles made out of 2 equal angles of 65x65~6m m welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 crns. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting. (excluding cost of earth work and concrete)	Rmt	402.00	991.44	Rupees Nine Hundred Ninety One and Forty Four Paise Only	398559.00
26	Providing and fixing **MS block pipe of 38mm dia** of heavy guage of 14 including removing the bends, cutting the pipes and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S block pipe including cost of all materials wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc, complete including two coats of approved quality paint over one coat of shop paint	Rmt	2010.00	338.04	Rupees Three Hundred Thirty Eight and Four Paise Only	679460.00
27	Providing **chain link fencing** 50 mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint.	Sqm	1005.00	697.68	Rupees Six Hundred Ninety Seven and Sixty Eight Paise Only	701168.00

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SI. NO	DESCRRIPTION OF ITEM	UNIT	QTTY	RATE IN FIGURES	RATE IN WORDS	AMOUNT
28	Providing and fixing 50mm diameter and 750mm long perforated GI pressure relief pipe with one end closed by perforated GL plate and other end provided with alluminium lid hinged to pipe including cost of all materials,labour, drilling 8mm dia holes etc., complete all leads and lifts as directed by the Engineer in charge of the work.	Nos	20.10	407.00	Rupees Four Hundred Seven Only	8181.00
29	WRD: Providing and fixing 20mm thick 150mm depth tarfelt expasion joint filler board for cement concrete lining of canal including cost of all materils, labour etc,. Complete all leads and lifts as directed by the Engineer in charge of the work.	Rmt	277.40	123.00	Rupees One Hundred Twenty Three Only	34120.00

DTS APPROVED

Nog corrections - NIL

Executive Enginner
Storm Water Drain Division
Dasarahalli Zone, BBMP, Bangalore

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